

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,310,623 B2  
APPLICATION NO. : 10/734713  
DATED : December 18, 2007  
INVENTOR(S) : Raymond G. Beausoleil et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 3, line 64, after “ $U_1$ ” delete “ $\hat{X}$ ” and insert --  $\otimes$  --, therefor.

In column 3, line 64, before “ $U_n$ ” delete “ $\hat{X}$ ” and insert --  $\otimes$  --, therefor.

In column 3, line 65, after “ $U_1$ ” delete “ $\hat{X}$ ” and insert --  $\otimes$  --, therefor.

In column 3, line 66, before “ $U_n$ ” delete “ $\hat{X}$ ” and insert --  $\otimes$  --, therefor.

In column 4, line 65, after “250.” delete “p”.

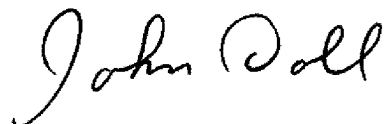
In column 5, line 4, before “ $|0\rangle_2$ ” delete “+” and insert -- x --, therefor.

In column 7, line 2, after “state” delete “ $|>_1$ ” and insert --  $|0\rangle_1$  --, therefor.

In column 9, line 65, delete “+” and insert -- x --, therefor.

Signed and Sealed this

Fourteenth Day of July, 2009



JOHN DOLL  
*Acting Director of the United States Patent and Trademark Office*